

**Observation,  
Hypothesis, Theory,  
Laws**

	Applies to a SINGLE or SMALL # of events	Applies to ALL events
Describes WHY things happen		
Describes WHAT happens		

### The Scientific Method

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graph TD
    A[Ask a Question] <--> B[Do Background Research]
    B --> C[Construct a Hypothesis]
    C --> D[Test with an Experiment]
    D --> E{Procedure Working?}
    E -- No --> F[Troubleshoot procedure. Carefully check all steps and set-up.]
    F --> D
    E -- Yes --> G[Analyze Data and Draw Conclusions]
    G --> H[Results Align with Hypothesis]
    G --> I[Results Align Partially or Not at All with Hypothesis]
    H --> J[Communicate Results]
    I --> K[Experimental data becomes background research for new/future project. Ask new question, form new hypothesis, experiment again!]
    K --> C
  
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*Using examples from the two video clips in class, describe each of the following below in 1 short phrase*

